



Dairy Products

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June 2019 Highlights

Total cheese output (excluding cottage cheese) was 1.07 billion pounds, 0.6 percent above June 2018 but 3.3 percent below May 2019.

Italian type cheese production totaled 469 million pounds, 4.0 percent above June 2018 but 1.3 percent below May 2019.

American type cheese production totaled 427 million pounds, 0.6 percent below June 2018 and 3.9 percent below May 2019.

Butter production was 146 million pounds, 3.1 percent above June 2018 but 9.0 percent below May 2019.

Dry milk products (comparisons in percentage with June 2018)

Nonfat dry milk, human - 156 million pounds, up 2.2 percent.

Skim milk powder - 44.4 million pounds, down 25.3 percent.

Whey products (comparisons in percentage with June 2018)

Dry whey, total - 81.1 million pounds, down 6.3 percent.

Lactose, human and animal - 108 million pounds, up 13.1 percent.

Whey protein concentrate, total - 41.1 million pounds, up 0.3 percent.

Frozen products (comparisons in percentage with June 2018)

Ice cream, regular (hard) - 65.5 million gallons, down 6.8 percent.

Ice cream, lowfat (total) - 47.2 million gallons, up 3.8 percent.

Sherbet (hard) - 3.39 million gallons, down 4.7 percent.

Frozen yogurt (total) - 4.73 million gallons, down 7.1 percent.

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Dairy Products Production by Product – United States: June 2018 and 2019

| Product | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------------------|-----------------|-----------------|-----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| Butter | 142,122 | 160,945 | 146,461 | 3.1 | -9.0 |
| Cheese | | | | | |
| American types ¹ | 429,076 | 443,943 | 426,541 | -0.6 | -3.9 |
| Cheddar | 312,869 | 321,660 | 306,998 | -1.9 | -4.6 |
| Other American types | 116,207 | 122,283 | 119,543 | 2.9 | -2.2 |
| Blue and Gorgonzola | 7,246 | 8,283 | 8,456 | 16.7 | 2.1 |
| Brick and Muenster | 16,237 | 18,192 | 16,699 | 2.8 | -8.2 |
| Cream and Neufchatel | 74,650 | 74,115 | 70,865 | -5.1 | -4.4 |
| Feta | 11,959 | 12,979 | 11,970 | 0.1 | -7.8 |
| Gouda | 6,243 | 3,238 | 3,293 | -47.3 | 1.7 |
| Hispanic | 25,727 | 30,011 | 25,831 | 0.4 | -13.9 |
| Italian types | 450,929 | 475,351 | 468,951 | 4.0 | -1.3 |
| Mozzarella | 355,249 | 375,667 | 375,787 | 5.8 | - |
| Parmesan | 33,192 | 38,383 | 33,683 | 1.5 | -12.2 |
| Provolone | 32,809 | 32,337 | 32,313 | -1.5 | -0.1 |
| Ricotta | 17,656 | 18,309 | 16,733 | -5.2 | -8.6 |
| Romano | 5,195 | 4,325 | 4,454 | -14.3 | 3.0 |
| Other Italian types | 6,828 | 6,330 | 5,981 | -12.4 | -5.5 |
| Swiss | 27,763 | 29,829 | 27,831 | 0.2 | -6.7 |
| All other types | 16,159 | 13,103 | 12,315 | -23.8 | -6.0 |
| Total cheese ² | 1,065,989 | 1,109,044 | 1,072,752 | 0.6 | -3.3 |
| Cottage cheese, curd ³ | 34,349 | 32,450 | 32,487 | -5.4 | 0.1 |
| Cottage cheese, cream ⁴ | 31,006 | 29,580 | 28,632 | -7.7 | -3.2 |
| Cottage cheese, lowfat ⁵ | 28,321 | 27,653 | 25,979 | -8.3 | -6.1 |
| Sour cream | 114,106 | 121,142 | 111,802 | -2.0 | -7.7 |
| Yogurt, plain and flavored | 373,079 | 347,538 | 360,767 | -3.3 | 3.8 |
| | (1,000 gallons) | (1,000 gallons) | (1,000 gallons) | (percent) | (percent) |
| Frozen products | | | | | |
| Ice cream, regular, hard | 70,263 | 64,194 | 65,495 | -6.8 | 2.0 |
| Ice cream, lowfat, hard | 20,133 | 24,079 | 22,006 | 9.3 | -8.6 |
| Ice cream, lowfat, soft | 25,338 | 24,515 | 25,193 | -0.6 | 2.8 |
| Ice cream, lowfat, total ⁶ | 45,471 | 48,594 | 47,199 | 3.8 | -2.9 |
| Ice cream, nonfat, hard | 761 | 677 | 716 | -5.9 | 5.8 |
| Sherbet, hard | 3,563 | 3,294 | 3,394 | -4.7 | 3.0 |
| Frozen yogurt, total | 5,089 | 4,673 | 4,730 | -7.1 | 1.2 |
| Regular and lowfat, hard | 1,587 | 1,542 | 1,222 | -23.0 | -20.8 |
| Nonfat, hard | 598 | 477 | 604 | 1.0 | 26.6 |
| Other frozen dairy products | 2,086 | 2,138 | 1,986 | -4.8 | -7.1 |
| Water and juice ices | 7,472 | 7,129 | 7,442 | -0.4 | 4.4 |
| Mix for frozen products | | | | | |
| Ice cream, regular, mix | 44,098 | 38,588 | 40,394 | -8.4 | 4.7 |
| Ice cream, lowfat, mix ⁷ | 27,157 | 27,353 | 26,668 | -1.8 | -2.5 |
| Ice cream, nonfat, mix | 587 | 450 | 485 | -17.4 | 7.8 |
| Sherbet mix | 2,369 | 2,315 | 2,215 | -6.5 | -4.3 |
| Yogurt mix | 2,992 | 2,912 | 2,749 | -8.1 | -5.6 |

- Represents zero.

¹ Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

² Excludes Cottage Cheese.

³ Mostly used for processing into cream or lowfat cottage cheese.

⁴ Fat content 4 percent or more.

⁵ Fat content less than 4 percent.

⁶ Includes freezer-made milkshake.

⁷ Includes milkshake mix.

**Whey and Modified Whey Products Production, Stocks, and Prices – United States:
June 2018 and 2019**

| Product | June 2018 | May 2019 | June 2019 | Change from | |
|--------------------------------------------------------|-------------------|-------------------|-------------------|----------------|----------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| Condensed whey, solids content ¹ | | | | | |
| Sweet-type, human | 8,840 | 9,043 | 7,725 | -12.6 | -14.6 |
| Dry whey products | | | | | |
| Dry whey, human | 84,941 | 78,211 | 79,916 | -5.9 | 2.2 |
| Dry whey, animal | 1,662 | 1,272 | 1,196 | -28.0 | -6.0 |
| Dry whey, total | 86,603 | 79,483 | 81,112 | -6.3 | 2.0 |
| Reduced lactose and minerals | | | | | |
| Human | 1,788 | 2,030 | 1,809 | 1.2 | -10.9 |
| Animal | 2,608 | 3,054 | 2,769 | 6.2 | -9.3 |
| Whey protein concentrate | | | | | |
| Human ² | 40,664 | 40,871 | 40,550 | -0.3 | -0.8 |
| Animal ² | 337 | 255 | 557 | 65.3 | 118.4 |
| Total ² | 41,001 | 41,126 | 41,107 | 0.3 | - |
| 25.0-49.9 percent ³ | 14,873 | 14,442 | 14,409 | -3.1 | -0.2 |
| 50.0-89.9 percent ³ | 26,128 | 26,684 | 26,698 | 2.2 | 0.1 |
| Whey protein isolates ⁴ | 10,438 | 10,257 | 9,757 | -6.5 | -4.9 |
| Lactose, human and animal | 95,874 | 109,247 | 108,442 | 13.1 | -0.7 |
| Manufacturers' stocks end of month ⁵ | | | | | |
| Dry whey products | | | | | |
| Dry whey, human | 66,845 | 64,323 | 66,889 | 0.1 | 4.0 |
| Dry whey, animal | 1,900 | 1,269 | 1,213 | -36.2 | -4.4 |
| Dry whey, total | 68,745 | 65,592 | 68,102 | -0.9 | 3.8 |
| Reduced Lactose and minerals | | | | | |
| Human and animal ⁶ | 4,054 | 5,773 | 5,789 | 42.8 | 0.3 |
| Whey protein concentrate | | | | | |
| Human ² | 64,363 | 60,031 | 58,347 | -9.3 | -2.8 |
| Animal ² | 749 | 516 | 969 | 29.4 | 87.8 |
| Total ² | 65,112 | 60,547 | 59,316 | -8.9 | -2.0 |
| 25.0-49.9 percent ³ | 20,077 | 24,909 | 23,189 | 15.5 | -6.9 |
| 50.0-89.9 percent ³ | 45,035 | 35,638 | 36,127 | -19.8 | 1.4 |
| Whey protein isolates ⁴ | 25,917 | 21,861 | 20,913 | -19.3 | -4.3 |
| Lactose, human and animal | 102,065 | 125,412 | 114,948 | 12.6 | -8.3 |
| | (cents per pound) | (cents per pound) | (cents per pound) | (cents change) | (cents change) |
| Manufacturers' selling price ⁷ | | | | | |
| Dry whey, animal | 21.2 | 18.9 | 22.2 | 1.0 | 3.3 |

- Represents zero.

¹ Final marketable product only. Does not include quantity used or shipped to another plant for further processing into dry whey or modified whey products. Does not include sweet-type, animal whey.

² Whey protein concentrate, 25.0 to 89.9 percent.

³ Whey protein concentrate, human and animal.

⁴ Whey protein isolate, 90.0 percent or greater.

⁵ Stocks held by manufacturers at all points and in transit.

⁶ Reduced lactose and minerals stocks combined to avoid disclosure of individual operations.

⁷ Prices for bulk goods, f.o.b. plant. Average monthly prices reported by firms.

**Condensed and Dry Milk Products Production, Stocks, and Shipments – United States:
June 2018 and 2019**

| Product | June 2018 | May 2019 | June 2019 | Change from | |
|--------------------------------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| Production | | | | | |
| Bulk condensed milk | | | | | |
| Skim, unsweetened | 138,432 | 136,629 | 133,420 | -3.6 | -2.3 |
| Dry milk products | | | | | |
| Dry buttermilk, total | 7,603 | 9,861 | 8,569 | 12.7 | -13.1 |
| Dry skim milk, animal | 1,764 | 932 | 733 | -58.4 | -21.4 |
| Dry whole milk | 11,209 | 17,955 | 13,531 | 20.7 | -24.6 |
| Milk protein concentrate, total ¹ | 17,599 | 17,141 | 19,285 | 9.6 | 12.5 |
| Nonfat dry milk, human | 152,244 | 170,687 | 155,609 | 2.2 | -8.8 |
| Skim milk powder, total ² | 59,439 | 25,169 | 44,387 | -25.3 | 76.4 |
| Manufacturers' stocks end-of-month ³ | | | | | |
| Dry milk products | | | | | |
| Dry buttermilk, total | 14,946 | 15,172 | 13,432 | -10.1 | -11.5 |
| Dry skim milk, animal | 2,668 | 1,831 | 3,356 | 25.8 | 83.3 |
| Dry whole milk | 56,604 | 41,473 | 39,923 | -29.5 | -3.7 |
| Nonfat dry milk, human | 303,301 | 284,111 | 288,673 | -4.8 | 1.6 |
| Manufacturers' shipments ⁴ | | | | | |
| Dry milk products | | | | | |
| Nonfat dry milk, human | 108,166 | 156,324 | 136,550 | 26.2 | -12.6 |

¹ Dry milk protein concentrate, 40-89.9 percent.

² Includes protein standardized and blends.

³ Stocks held by manufacturers at all points and in transit.

⁴ For dry products, shipments of bulk goods.

Dairy Products Production by Product and Month – United States: 2018 and 2019

[Blank data cells indicate estimation period has not yet begun]

| Product and month | Monthly | | | Cumulative | | |
|-------------------------------------------------|----------------|----------------|------------------|----------------|----------------|------------------|
| | 2018 | 2019 | Change from 2018 | 2018 | 2019 | Change from 2018 |
| | (1,000 pounds) | (1,000 pounds) | (percent) | (1,000 pounds) | (1,000 pounds) | (percent) |
| Total cheese ¹ | | | | | | |
| January | 1,098,670 | 1,098,353 | - | 1,098,670 | 1,098,353 | - |
| February | 992,824 | 991,346 | -0.1 | 2,091,494 | 2,089,699 | -0.1 |
| March | 1,108,022 | 1,120,525 | 1.1 | 3,199,516 | 3,210,224 | 0.3 |
| April | 1,078,148 | 1,086,416 | 0.8 | 4,277,664 | 4,296,640 | 0.4 |
| May | 1,085,249 | 1,109,044 | 2.2 | 5,362,913 | 5,405,684 | 0.8 |
| June | 1,065,989 | 1,072,752 | 0.6 | 6,428,902 | 6,478,436 | 0.8 |
| July | 1,087,097 | | | 7,515,999 | | |
| August | 1,086,966 | | | 8,602,965 | | |
| September | 1,059,076 | | | 9,662,041 | | |
| October | 1,154,170 | | | 10,816,211 | | |
| November | 1,095,965 | | | 11,912,176 | | |
| December | 1,112,411 | | | 13,024,587 | | |
| Total American cheese types ² | | | | | | |
| January | 448,124 | 439,283 | -2.0 | 448,124 | 439,283 | -2.0 |
| February | 406,189 | 391,027 | -3.7 | 854,313 | 830,310 | -2.8 |
| March | 443,185 | 440,262 | -0.7 | 1,297,498 | 1,270,572 | -2.1 |
| April | 444,287 | 431,588 | -2.9 | 1,741,785 | 1,702,160 | -2.3 |
| May | 442,968 | 443,943 | 0.2 | 2,184,753 | 2,146,103 | -1.8 |
| June | 429,076 | 426,541 | -0.6 | 2,613,829 | 2,572,644 | -1.6 |
| July | 440,937 | | | 3,054,766 | | |
| August | 435,388 | | | 3,490,154 | | |
| September | 424,032 | | | 3,914,186 | | |
| October | 457,122 | | | 4,371,308 | | |
| November | 434,185 | | | 4,805,493 | | |
| December | 448,340 | | | 5,253,833 | | |
| Cheddar cheese | | | | | | |
| January | 331,985 | 323,210 | -2.6 | 331,985 | 323,210 | -2.6 |
| February | 301,256 | 280,816 | -6.8 | 633,241 | 604,026 | -4.6 |
| March | 320,257 | 312,494 | -2.4 | 953,498 | 916,520 | -3.9 |
| April | 319,153 | 307,591 | -3.6 | 1,272,651 | 1,224,111 | -3.8 |
| May | 318,665 | 321,660 | 0.9 | 1,591,316 | 1,545,771 | -2.9 |
| June | 312,869 | 306,998 | -1.9 | 1,904,185 | 1,852,769 | -2.7 |
| July | 325,217 | | | 2,229,402 | | |
| August | 311,974 | | | 2,541,376 | | |
| September | 297,632 | | | 2,839,008 | | |
| October | 323,213 | | | 3,162,221 | | |
| November | 314,170 | | | 3,476,391 | | |
| December | 326,117 | | | 3,802,508 | | |

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

[Blank data cells indicate estimation period has not yet begun]

| Product and month | Monthly | | | Cumulative | | |
|----------------------------|----------------|----------------|------------------|----------------|----------------|------------------|
| | 2018 | 2019 | Change from 2018 | 2018 | 2019 | Change from 2018 |
| | (1,000 pounds) | (1,000 pounds) | (percent) | (1,000 pounds) | (1,000 pounds) | (percent) |
| Total Italian cheese types | | | | | | |
| January | 473,913 | 480,134 | 1.3 | 473,913 | 480,134 | 1.3 |
| February | 428,100 | 441,082 | 3.0 | 902,013 | 921,216 | 2.1 |
| March | 483,095 | 494,933 | 2.5 | 1,385,108 | 1,416,149 | 2.2 |
| April | 460,768 | 476,853 | 3.5 | 1,845,876 | 1,893,002 | 2.6 |
| May | 460,817 | 475,351 | 3.2 | 2,306,693 | 2,368,353 | 2.7 |
| June | 450,929 | 468,951 | 4.0 | 2,757,622 | 2,837,304 | 2.9 |
| July | 462,769 | | | 3,220,391 | | |
| August | 453,431 | | | 3,673,822 | | |
| September | 450,964 | | | 4,124,786 | | |
| October | 483,852 | | | 4,608,638 | | |
| November | 469,207 | | | 5,077,845 | | |
| December | 479,005 | | | 5,556,850 | | |
| Mozzarella | | | | | | |
| January | 365,563 | 379,627 | 3.8 | 365,563 | 379,627 | 3.8 |
| February | 328,591 | 347,234 | 5.7 | 694,154 | 726,861 | 4.7 |
| March | 372,712 | 392,018 | 5.2 | 1,066,866 | 1,118,879 | 4.9 |
| April | 358,320 | 373,667 | 4.3 | 1,425,186 | 1,492,546 | 4.7 |
| May | 359,072 | 375,667 | 4.6 | 1,784,258 | 1,868,213 | 4.7 |
| June | 355,249 | 375,787 | 5.8 | 2,139,507 | 2,244,000 | 4.9 |
| July | 367,437 | | | 2,506,944 | | |
| August | 357,346 | | | 2,864,290 | | |
| September | 358,579 | | | 3,222,869 | | |
| October | 381,217 | | | 3,604,086 | | |
| November | 370,269 | | | 3,974,355 | | |
| December | 377,006 | | | 4,351,361 | | |
| Other Italian cheese types | | | | | | |
| January | 5,549 | 6,750 | 21.6 | 5,549 | 6,750 | 21.6 |
| February | 5,689 | 6,076 | 6.8 | 11,238 | 12,826 | 14.1 |
| March | 6,417 | 7,328 | 14.2 | 17,655 | 20,154 | 14.2 |
| April | 5,909 | 6,567 | 11.1 | 23,564 | 26,721 | 13.4 |
| May | 6,671 | 6,330 | -5.1 | 30,235 | 33,051 | 9.3 |
| June | 6,828 | 5,981 | -12.4 | 37,063 | 39,032 | 5.3 |
| July | 6,084 | | | 43,147 | | |
| August | 6,181 | | | 49,328 | | |
| September | 6,728 | | | 56,056 | | |
| October | 6,257 | | | 62,313 | | |
| November | 6,987 | | | 69,300 | | |
| December | 6,393 | | | 75,693 | | |

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

[Blank data cells indicate estimation period has not yet begun]

| Product and month | Monthly | | | Cumulative | | |
|---------------------------------------------|----------------|----------------|------------------|----------------|----------------|------------------|
| | 2018 | 2019 | Change from 2018 | 2018 | 2019 | Change from 2018 |
| | (1,000 pounds) | (1,000 pounds) | (percent) | (1,000 pounds) | (1,000 pounds) | (percent) |
| Butter | | | | | | |
| January | 182,143 | 189,642 | 4.1 | 182,143 | 189,642 | 4.1 |
| February | 167,669 | 164,525 | -1.9 | 349,812 | 354,167 | 1.2 |
| March | 181,847 | 173,558 | -4.6 | 531,659 | 527,725 | -0.7 |
| April | 175,216 | 164,674 | -6.0 | 706,875 | 692,399 | -2.0 |
| May | 170,122 | 160,945 | -5.4 | 876,997 | 853,344 | -2.7 |
| June | 142,122 | 146,461 | 3.1 | 1,019,119 | 999,805 | -1.9 |
| July | 134,564 | | | 1,153,683 | | |
| August | 133,571 | | | 1,287,254 | | |
| September | 135,041 | | | 1,422,295 | | |
| October | 148,896 | | | 1,571,191 | | |
| November | 149,428 | | | 1,720,619 | | |
| December | 170,388 | | | 1,891,007 | | |
| Nonfat dry milk, human | | | | | | |
| January | 159,272 | 172,690 | 8.4 | 159,272 | 172,690 | 8.4 |
| February | 157,105 | 153,806 | -2.1 | 316,377 | 326,496 | 3.2 |
| March | 177,980 | 163,944 | -7.9 | 494,357 | 490,440 | -0.8 |
| April | 169,428 | 165,049 | -2.6 | 663,785 | 655,489 | -1.2 |
| May | 165,670 | 170,687 | 3.0 | 829,455 | 826,176 | -0.4 |
| June | 152,244 | 155,609 | 2.2 | 981,699 | 981,785 | |
| July | 150,193 | | | 1,131,892 | | |
| August | 129,077 | | | 1,260,969 | | |
| September | 114,030 | | | 1,374,999 | | |
| October | 121,595 | | | 1,496,594 | | |
| November | 134,424 | | | 1,631,018 | | |
| December | 142,522 | | | 1,773,540 | | |
| Skim milk powder, total ³ | | | | | | |
| January | 44,033 | 39,784 | -9.6 | 44,033 | 39,784 | -9.6 |
| February | 38,034 | 35,630 | -6.3 | 82,067 | 75,414 | -8.1 |
| March | 42,066 | 46,677 | 11.0 | 124,133 | 122,091 | -1.6 |
| April | 49,457 | 45,014 | -9.0 | 173,590 | 167,105 | -3.7 |
| May | 50,374 | 25,169 | -50.0 | 223,964 | 192,274 | -14.1 |
| June | 59,439 | 44,387 | -25.3 | 283,403 | 236,661 | -16.5 |
| July | 47,498 | | | 330,901 | | |
| August | 47,558 | | | 378,459 | | |
| September | 46,694 | | | 425,153 | | |
| October | 48,580 | | | 473,733 | | |
| November | 42,455 | | | 516,188 | | |
| December | 50,316 | | | 566,504 | | |

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

[Blank data cells indicate estimation period has not yet begun]

| Product and month | Monthly | | | Cumulative | | |
|---------------------------------|----------------|----------------|------------------|----------------|----------------|------------------|
| | 2018 | 2019 | Change from 2018 | 2018 | 2019 | Change from 2018 |
| | (1,000 pounds) | (1,000 pounds) | (percent) | (1,000 pounds) | (1,000 pounds) | (percent) |
| Dry whey, total ⁴ | | | | | | |
| January | 90,569 | 81,202 | -10.3 | 90,569 | 81,202 | -10.3 |
| February | 89,431 | 74,948 | -16.2 | 180,000 | 156,150 | -13.3 |
| March | 91,368 | 76,372 | -16.4 | 271,368 | 232,522 | -14.3 |
| April | 85,731 | 74,997 | -12.5 | 357,099 | 307,519 | -13.9 |
| May | 85,904 | 79,483 | -7.5 | 443,003 | 387,002 | -12.6 |
| June | 86,603 | 81,112 | -6.3 | 529,606 | 468,114 | -11.6 |
| July | 90,171 | | | 619,777 | | |
| August | 78,814 | | | 698,591 | | |
| September | 69,951 | | | 768,542 | | |
| October | 84,003 | | | 852,545 | | |
| November | 72,306 | | | 924,851 | | |
| December | 74,505 | | | 999,356 | | |
| Lactose, human and animal | | | | | | |
| January | 94,822 | 111,586 | 17.7 | 94,822 | 111,586 | 17.7 |
| February | 86,232 | 98,080 | 13.7 | 181,054 | 209,666 | 15.8 |
| March | 100,861 | 114,527 | 13.5 | 281,915 | 324,193 | 15.0 |
| April | 93,472 | 108,038 | 15.6 | 375,387 | 432,231 | 15.1 |
| May | 96,204 | 109,247 | 13.6 | 471,591 | 541,478 | 14.8 |
| June | 95,874 | 108,442 | 13.1 | 567,465 | 649,920 | 14.5 |
| July | 98,603 | | | 666,068 | | |
| August | 97,273 | | | 763,341 | | |
| September | 91,391 | | | 854,732 | | |
| October | 90,025 | | | 944,757 | | |
| November | 103,137 | | | 1,047,894 | | |
| December | 110,406 | | | 1,158,300 | | |
| Whey protein concentrate, total | | | | | | |
| January | 44,257 | 43,170 | -2.5 | 44,257 | 43,170 | -2.5 |
| February | 41,182 | 39,295 | -4.6 | 85,439 | 82,465 | -3.5 |
| March | 50,463 | 42,769 | -15.2 | 135,902 | 125,234 | -7.8 |
| April | 41,887 | 40,729 | -2.8 | 177,789 | 165,963 | -6.7 |
| May | 42,424 | 41,126 | -3.1 | 220,213 | 207,089 | -6.0 |
| June | 41,001 | 41,107 | 0.3 | 261,214 | 248,196 | -5.0 |
| July | 40,877 | | | 302,091 | | |
| August | 42,856 | | | 344,947 | | |
| September | 41,991 | | | 386,938 | | |
| October | 42,392 | | | 429,330 | | |
| November | 40,919 | | | 470,249 | | |
| December | 43,722 | | | 513,971 | | |

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

[Blank data cells indicate estimation period has not yet begun]

| Product and month | Monthly | | | Cumulative | | |
|------------------------|----------------|----------------|------------------|----------------|----------------|------------------|
| | 2018 | 2019 | Change from 2018 | 2018 | 2019 | Change from 2018 |
| | (1,000 pounds) | (1,000 pounds) | (percent) | (1,000 pounds) | (1,000 pounds) | (percent) |
| Cottage cheese, cream | | | | | | |
| January | 27,933 | 28,322 | 1.4 | 27,933 | 28,322 | 1.4 |
| February | 27,261 | 26,094 | -4.3 | 55,194 | 54,416 | -1.4 |
| March | 32,655 | 30,228 | -7.4 | 87,849 | 84,644 | -3.6 |
| April | 29,410 | 31,141 | 5.9 | 117,259 | 115,785 | -1.3 |
| May | 32,320 | 29,580 | -8.5 | 149,579 | 145,365 | -2.8 |
| June | 31,006 | 28,632 | -7.7 | 180,585 | 173,997 | -3.6 |
| July | 30,114 | | | 210,699 | | |
| August | 31,920 | | | 242,619 | | |
| September | 27,141 | | | 269,760 | | |
| October | 29,828 | | | 299,588 | | |
| November | 27,051 | | | 326,639 | | |
| December | 26,146 | | | 352,785 | | |
| Cottage cheese, lowfat | | | | | | |
| January | 29,299 | 28,134 | -4.0 | 29,299 | 28,134 | -4.0 |
| February | 27,577 | 25,374 | -8.0 | 56,876 | 53,508 | -5.9 |
| March | 31,340 | 28,122 | -10.3 | 88,216 | 81,630 | -7.5 |
| April | 29,982 | 29,221 | -2.5 | 118,198 | 110,851 | -6.2 |
| May | 31,476 | 27,653 | -12.1 | 149,674 | 138,504 | -7.5 |
| June | 28,321 | 25,979 | -8.3 | 177,995 | 164,483 | -7.6 |
| July | 29,296 | | | 207,291 | | |
| August | 29,342 | | | 236,633 | | |
| September | 26,943 | | | 263,576 | | |
| October | 28,706 | | | 292,282 | | |
| November | 25,181 | | | 317,463 | | |
| December | 24,621 | | | 342,084 | | |
| Sour cream | | | | | | |
| January | 120,265 | 120,975 | 0.6 | 120,265 | 120,975 | 0.6 |
| February | 98,965 | 100,923 | 2.0 | 219,230 | 221,898 | 1.2 |
| March | 116,365 | 108,829 | -6.5 | 335,595 | 330,727 | -1.5 |
| April | 111,335 | 117,612 | 5.6 | 446,930 | 448,339 | 0.3 |
| May | 119,221 | 121,142 | 1.6 | 566,151 | 569,481 | 0.6 |
| June | 114,106 | 111,802 | -2.0 | 680,257 | 681,283 | 0.2 |
| July | 109,820 | | | 790,077 | | |
| August | 119,327 | | | 909,404 | | |
| September | 107,914 | | | 1,017,318 | | |
| October | 128,883 | | | 1,146,201 | | |
| November | 130,767 | | | 1,276,968 | | |
| December | 126,443 | | | 1,403,411 | | |

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

[Blank data cells indicate estimation period has not yet begun]

| Product and month | Monthly | | | Cumulative | | |
|-------------------------|-----------------|-----------------|------------------|-----------------|-----------------|------------------|
| | 2018 | 2019 | Change from 2018 | 2018 | 2019 | Change from 2018 |
| | (1,000 gallons) | (1,000 gallons) | (percent) | (1,000 gallons) | (1,000 gallons) | (percent) |
| Ice cream, regular hard | | | | | | |
| January | 53,684 | 53,551 | -0.2 | 53,684 | 53,551 | -0.2 |
| February | 55,447 | 52,120 | -6.0 | 109,131 | 105,671 | -3.2 |
| March | 63,553 | 65,449 | 3.0 | 172,684 | 171,120 | -0.9 |
| April | 62,821 | 64,091 | 2.0 | 235,505 | 235,211 | -0.1 |
| May | 64,551 | 64,194 | -0.6 | 300,056 | 299,405 | -0.2 |
| June | 70,263 | 65,495 | -6.8 | 370,319 | 364,900 | -1.5 |
| July | 68,966 | | | 439,285 | | |
| August | 70,111 | | | 509,396 | | |
| September | 56,601 | | | 565,997 | | |
| October | 60,610 | | | 626,607 | | |
| November | 48,070 | | | 674,677 | | |
| December | 43,855 | | | 718,532 | | |
| Ice cream, lowfat total | | | | | | |
| January | 32,568 | 31,559 | -3.1 | 32,568 | 31,559 | -3.1 |
| February | 34,823 | 32,235 | -7.4 | 67,391 | 63,794 | -5.3 |
| March | 41,108 | 41,611 | 1.2 | 108,499 | 105,405 | -2.9 |
| April | 40,800 | 44,487 | 9.0 | 149,299 | 149,892 | 0.4 |
| May | 42,471 | 48,594 | 14.4 | 191,770 | 198,486 | 3.5 |
| June | 45,471 | 47,199 | 3.8 | 237,241 | 245,685 | 3.6 |
| July | 42,333 | | | 279,574 | | |
| August | 41,742 | | | 321,316 | | |
| September | 34,907 | | | 356,223 | | |
| October | 36,607 | | | 392,830 | | |
| November | 30,121 | | | 422,951 | | |
| December | 28,152 | | | 451,103 | | |
| Sherbet, hard | | | | | | |
| January | 2,858 | 2,551 | -10.7 | 2,858 | 2,551 | -10.7 |
| February | 3,112 | 2,653 | -14.7 | 5,970 | 5,204 | -12.8 |
| March | 3,368 | 3,502 | 4.0 | 9,338 | 8,706 | -6.8 |
| April | 3,578 | 3,236 | -9.6 | 12,916 | 11,942 | -7.5 |
| May | 3,513 | 3,294 | -6.2 | 16,429 | 15,236 | -7.3 |
| June | 3,563 | 3,394 | -4.7 | 19,992 | 18,630 | -6.8 |
| July | 3,151 | | | 23,143 | | |
| August | 3,255 | | | 26,398 | | |
| September | 3,084 | | | 29,482 | | |
| October | 2,978 | | | 32,460 | | |
| November | 2,341 | | | 34,801 | | |
| December | 2,100 | | | 36,901 | | |

See footnote(s) at end of table.

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Dairy Products Production by Product and Month – United States: 2018 and 2019 (continued)

[Blank data cells indicate estimation period has not yet begun]

| Product and month | Monthly | | | Cumulative | | |
|----------------------------|-----------------|-----------------|------------------|-----------------|-----------------|------------------|
| | 2018 | 2019 | Change from 2018 | 2018 | 2019 | Change from 2018 |
| | (1,000 pounds) | (1,000 pounds) | (percent) | (1,000 pounds) | (1,000 pounds) | (percent) |
| Yogurt, plain and flavored | | | | | | |
| January | 372,015 | 360,050 | -3.2 | 372,015 | 360,050 | -3.2 |
| February | 376,710 | 365,389 | -3.0 | 748,725 | 725,439 | -3.1 |
| March | 389,848 | 390,607 | 0.2 | 1,138,573 | 1,116,046 | -2.0 |
| April | 358,160 | 371,640 | 3.8 | 1,496,733 | 1,487,686 | -0.6 |
| May | 373,431 | 347,538 | -6.9 | 1,870,164 | 1,835,224 | -1.9 |
| June | 373,079 | 360,767 | -3.3 | 2,243,243 | 2,195,991 | -2.1 |
| July | 360,886 | | | 2,604,129 | | |
| August | 396,296 | | | 3,000,425 | | |
| September | 369,989 | | | 3,370,414 | | |
| October | 363,128 | | | 3,733,542 | | |
| November | 310,848 | | | 4,044,390 | | |
| December | 343,698 | | | 4,388,088 | | |
| | (1,000 gallons) | (1,000 gallons) | (percent) | (1,000 gallons) | (1,000 gallons) | (percent) |
| Frozen yogurt, total | | | | | | |
| January | 4,054 | 5,145 | 26.9 | 4,054 | 5,145 | 26.9 |
| February | 4,094 | 4,500 | 9.9 | 8,148 | 9,645 | 18.4 |
| March | 5,495 | 4,750 | -13.6 | 13,643 | 14,395 | 5.5 |
| April | 5,212 | 4,896 | -6.1 | 18,855 | 19,291 | 2.3 |
| May | 4,880 | 4,673 | -4.2 | 23,735 | 23,964 | 1.0 |
| June | 5,089 | 4,730 | -7.1 | 28,824 | 28,694 | -0.5 |
| July | 4,258 | | | 33,082 | | |
| August | 4,005 | | | 37,087 | | |
| September | 3,622 | | | 40,709 | | |
| October | 3,124 | | | 43,833 | | |
| November | 3,261 | | | 47,094 | | |
| December | 3,133 | | | 50,227 | | |

- Represents zero.

¹ Excludes Cottage Cheese.

² Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

³ Includes protein standardized and blends.

⁴ Excludes all modified dry whey products.

Total Cheese Production Excluding Cottage Cheese – States and United States: June 2018 and 2019

| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| California | 205,022 | 217,855 | 206,598 | 0.8 | -5.2 |
| Idaho | 83,477 | 78,329 | 85,810 | 2.8 | 9.6 |
| Illinois | 7,048 | 6,986 | 7,130 | 1.2 | 2.1 |
| Iowa | 25,228 | 27,940 | 26,615 | 5.5 | -4.7 |
| Minnesota | 61,663 | 64,281 | 61,010 | -1.1 | -5.1 |
| New Jersey | 5,029 | 4,973 | 4,282 | -14.9 | -13.9 |
| New Mexico | 74,221 | 81,836 | 76,930 | 3.6 | -6.0 |
| Ohio | 19,299 | 19,487 | 18,183 | -5.8 | -6.7 |
| Oregon | 16,912 | 17,986 | 17,200 | 1.7 | -4.4 |
| Pennsylvania | 36,453 | 37,132 | 36,811 | 1.0 | -0.9 |
| South Dakota | 23,278 | 27,512 | 27,704 | 19.0 | 0.7 |
| Vermont | 11,848 | 12,359 | 11,394 | -3.8 | -7.8 |
| Wisconsin | 280,947 | 285,208 | 279,075 | -0.7 | -2.2 |
| Other States ¹ | 215,564 | 227,160 | 214,010 | -0.7 | -5.8 |
| United States | 1,065,989 | 1,109,044 | 1,072,752 | 0.6 | -3.3 |
| Atlantic | 129,191 | 132,404 | 128,609 | -0.5 | -2.9 |
| Central | 493,613 | 509,123 | 493,513 | - | -3.1 |
| West | 443,185 | 467,517 | 450,630 | 1.7 | -3.6 |

- Represents zero.

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

American Cheese Production – States and United States: June 2018 and 2019

| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| California | 49,372 | 50,788 | 49,098 | -0.6 | -3.3 |
| Idaho | 52,739 | 53,180 | 51,507 | -2.3 | -3.1 |
| Iowa | 16,267 | 17,092 | 16,946 | 4.2 | -0.9 |
| Minnesota | 52,412 | 53,413 | 51,233 | -2.2 | -4.1 |
| Oregon | 16,826 | 17,896 | 17,131 | 1.8 | -4.3 |
| Wisconsin | 83,319 | 84,785 | 82,100 | -1.5 | -3.2 |
| Other States ¹ | 158,141 | 166,789 | 158,526 | 0.2 | -5.0 |
| United States | 429,076 | 443,943 | 426,541 | -0.6 | -3.9 |
| Atlantic | 27,237 | 28,628 | 28,140 | 3.3 | -1.7 |
| Central | 217,989 | 220,025 | 212,260 | -2.6 | -3.5 |
| West | 183,850 | 195,290 | 186,141 | 1.2 | -4.7 |

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Cheddar Cheese Production – States and United States: June 2018 and 2019

| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| California | 25,818 | 26,135 | 26,063 | 0.9 | -0.3 |
| Idaho | 40,827 | 39,934 | 38,421 | -5.9 | -3.8 |
| Iowa | 11,556 | 10,020 | 8,980 | -22.3 | -10.4 |
| Minnesota | 48,719 | 51,811 | 49,741 | 2.1 | -4.0 |
| Oregon | 13,479 | 14,511 | 15,169 | 12.5 | 4.5 |
| Vermont | 8,093 | 8,706 | 8,080 | -0.2 | -7.2 |
| Wisconsin | 57,001 | 59,935 | 57,900 | 1.6 | -3.4 |
| Other States ¹ | 107,376 | 110,608 | 102,644 | -4.4 | -7.2 |
| United States | 312,869 | 321,660 | 306,998 | -1.9 | -4.6 |
| Atlantic | 25,801 | 26,953 | 26,523 | 2.8 | -1.6 |
| Central | 158,399 | 163,435 | 154,692 | -2.3 | -5.3 |
| West | 128,669 | 131,272 | 125,783 | -2.2 | -4.2 |

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Total Italian Cheese Production – States and United States: June 2018 and 2019

| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| California | 131,707 | 143,801 | 138,924 | 5.5 | -3.4 |
| Idaho | 24,616 | 18,960 | 28,783 | 16.9 | 51.8 |
| Minnesota | 9,048 | 10,443 | 9,340 | 3.2 | -10.6 |
| Pennsylvania | 21,948 | 22,850 | 22,377 | 2.0 | -2.1 |
| Wisconsin | 144,069 | 145,450 | 143,850 | -0.2 | -1.1 |
| Other States ¹ | 119,541 | 133,847 | 125,677 | 5.1 | -6.1 |
| United States | 450,929 | 475,351 | 468,951 | 4.0 | -1.3 |
| Atlantic | 57,239 | 58,400 | 57,607 | 0.6 | -1.4 |
| Central | 183,919 | 193,650 | 189,994 | 3.3 | -1.9 |
| West | 209,771 | 223,301 | 221,350 | 5.5 | -0.9 |

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Mozzarella Cheese Production – States and United States: June 2018 and 2019

| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| California | 120,339 | 133,013 | 128,466 | 6.8 | -3.4 |
| Idaho | 23,614 | 18,435 | 28,036 | 18.7 | 52.1 |
| Pennsylvania | 19,175 | 19,563 | 18,962 | -1.1 | -3.1 |
| Wisconsin | 95,211 | 95,522 | 96,500 | 1.4 | 1.0 |
| Other States ¹ | 96,910 | 109,134 | 103,823 | 7.1 | -4.9 |
| United States | 355,249 | 375,667 | 375,787 | 5.8 | - |
| Atlantic | 39,831 | 38,500 | 39,327 | -1.3 | 2.1 |
| Central | 119,529 | 127,028 | 127,794 | 6.9 | 0.6 |
| West | 195,889 | 210,139 | 208,666 | 6.5 | -0.7 |

- Represents zero.

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Butter Production – States and United States: June 2018 and 2019

| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| California | 44,460 | 51,789 | 45,940 | 3.3 | -11.3 |
| Pennsylvania | 6,619 | 7,970 | 6,895 | 4.2 | -13.5 |
| Other States ¹ | 91,043 | 101,186 | 93,626 | 2.8 | -7.5 |
| United States | 142,122 | 160,945 | 146,461 | 3.1 | -9.0 |
| Atlantic | 13,684 | 17,514 | 14,853 | 8.5 | -15.2 |
| Central | 57,388 | 62,151 | 57,206 | -0.3 | -8.0 |
| West | 71,050 | 81,280 | 74,402 | 4.7 | -8.5 |

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Nonfat Dry Milk (Human) Production – States and United States: June 2018 and 2019

| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| California | 43,010 | 65,716 | 43,923 | 2.1 | -33.2 |
| Pennsylvania | 17,318 | 17,518 | 16,344 | -5.6 | -6.7 |
| Other States ¹ | 91,916 | 87,453 | 95,342 | 3.7 | 9.0 |
| United States | 152,244 | 170,687 | 155,609 | 2.2 | -8.8 |
| Atlantic | 34,301 | 38,474 | 36,262 | 5.7 | -5.7 |
| Central | 34,477 | 29,282 | 30,436 | -11.7 | 3.9 |
| West | 83,466 | 102,931 | 88,911 | 6.5 | -13.6 |

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Dry Whey (Human) Production – States and United States: June 2018 and 2019

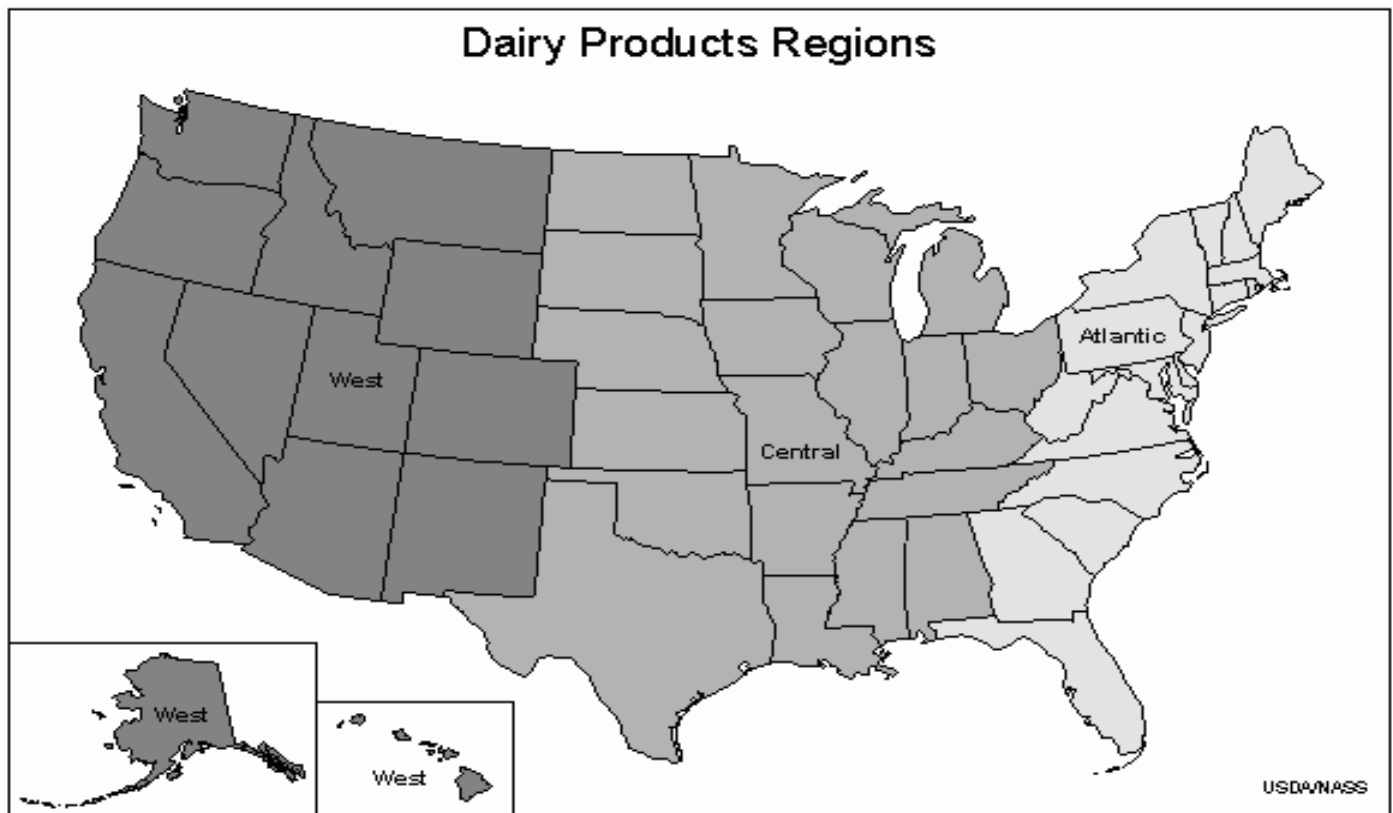
| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|----------------|----------------|----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) | (percent) | (percent) |
| Wisconsin | 27,437 | 24,956 | 24,243 | -11.6 | -2.9 |
| Other States ¹ | 57,504 | 53,255 | 55,673 | -3.2 | 4.5 |
| United States | 84,941 | 78,211 | 79,916 | -5.9 | 2.2 |
| Atlantic | 22,229 | 22,139 | 22,552 | 1.5 | 1.9 |
| Central | 38,270 | 35,289 | 35,742 | -6.6 | 1.3 |
| West | 24,442 | 20,783 | 21,622 | -11.5 | 4.0 |

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

Ice Cream, Regular (Hard) Production – States and United States: June 2018 and 2019

| State | June 2018 | May 2019 | June 2019 | Change from | |
|---------------------------------|-----------------|-----------------|-----------------|--------------|-------------|
| | | | | June 2018 | May 2019 |
| | (1,000 gallons) | (1,000 gallons) | (1,000 gallons) | (percent) | (percent) |
| California | 6,785 | 7,269 | 5,800 | -14.5 | -20.2 |
| Connecticut | 1,002 | 1,146 | 1,051 | 4.9 | -8.3 |
| Missouri | 3,889 | 3,219 | 3,335 | -14.2 | 3.6 |
| Ohio | 2,578 | 2,636 | 2,443 | -5.2 | -7.3 |
| Oregon | 1,377 | 1,500 | 1,261 | -8.4 | -15.9 |
| Pennsylvania | 3,530 | 3,361 | 3,412 | -3.3 | 1.5 |
| Tennessee | 2,407 | 952 | 2,170 | -9.8 | 127.9 |
| Utah | 3,033 | 2,222 | 2,047 | -32.5 | -7.9 |
| Other States ¹ | 45,662 | 41,889 | 43,976 | -3.7 | 5.0 |
| United States | 70,263 | 64,194 | 65,495 | -6.8 | 2.0 |
| Atlantic | 14,795 | 13,833 | 13,701 | -7.4 | -1.0 |
| Central | 42,174 | 37,083 | 40,561 | -3.8 | 9.4 |
| West | 13,294 | 13,278 | 11,233 | -15.5 | -15.4 |

¹ States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.



West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Central: Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin.

Atlantic: Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, North Carolina, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.

Statistical Methodology

Data Collection Period: Dairy products estimates are based upon survey data collected after the close of each month. Production data are provided by the firms producing dairy products.

Sampling frames and sample size: In 2018, there were 1,273 manufacturers that produced one or more dairy products. In states with small numbers of plants, reports are received from all plants each month. In states with large numbers of plants, survey procedures are designed to obtain monthly reports from all large plants and from a sample of small plants. In some states, the State Departments of Agriculture assist in collection of data, which eliminates duplicate reporting and reduces respondent burden.

Modes of data collection: Data are collected by mail, personal and telephone interviews, facsimile, and via electronic mail.

Terms and definitions: Firms complete the questionnaire using standard industry definitions and through the aid of instructions and definitions provided on the questionnaire.

Reliability: Data for the Dairy Products report are collected by a Census of all known manufacturers of dairy products in the United States. Firms producing large quantities of dairy products, along with a sample of smaller firms, are contacted monthly to collect previous month production data. Those small firms not contacted monthly are contacted after the close of the year to obtain previous year production. Production of products at small firms not contacted monthly are estimated during the monthly survey based upon check data, and state and national trends. Small firms are defined as those that do not make up a significant portion of the published total. Plants storing nonfat dry milk and dry whey are required under Federal law as defined in Public Laws 106-532 and 107-171 to complete the Dairy Products report. Plants storing these items are contacted monthly. Additionally, many state governments have mandated that dairy plants in their state complete the Dairy Products report each month. Because the Dairy Products survey is a census, sampling error should not affect the final estimates, however non-sampling errors are possible.

Estimating Procedures: In the Regional Field Office (RFO), data reported by firms are reviewed for reasonableness and consistency by comparing with data reported in prior months and by data reported by other firms in the State. Each RFO summarizes data at the Individual State level. State estimates are submitted to the Agricultural Statistics Board (ASB) along with supporting comments where they are compared with surrounding states, their region, and national trends. During both RFO and ASB review, plants are sometimes contacted again for further verification of numbers reported. After ASB review, RFO data are summarized into a National level summary.

Revision Policy: Monthly estimates are subject to revision the month following the preliminary estimates. Annual estimates are published in late April in the *Dairy Products Yearly Summary* report which includes any revisions made to previous 2 years of estimates. Revisions are generally due to plant data that are received too late to be included in the current report.

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@usda.gov.

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|---------------------------------------------------|----------------|
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| Holly Brenize – Sheep and Goats | (202) 720-0585 |
| Donnie Fike – Dairy Products | (202) 720-4448 |
| Heidi Lanouette – Cattle, Cattle on Feed | (202) 720-3040 |
| Mike Miller – Milk Production and Milk Cows | (202) 720-3278 |
| Seth Riggins – Hogs and Pigs | (202) 720-3106 |

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